

MAC 1140 Precalculus Algebra Homework Problems  
Falzone Precalculus with Limits, 6th edition, Hornsby/Lial/Rockswold

<b>HOMEWORK 1 Functions: Polynomial, Absolute Value, Rational, Power &amp; Root</b>	
2.2	17-25 all, 55 <a href="#">Graphing Transformations II</a>
2.3	13, 23, 27, 31, 33, 35, 37, 53, 91, 93, 95 <a href="#">Graphing Transformations 3</a> <a href="#">Graphing Transformations 4</a>
2.5	1, 5, 9, 11, 17, 21, 33, 35, 39, 49, 57, 59 <a href="#">Graphing Piecewise-Defined Functions 2</a>
2.6	1, 5, 7, 11, 25, 31, 47, 51, 103
4.1	1, 2, 3, 7, 21, 25
4.2	1-9 all, 11, 13, 17, 19, 29, 35, 39, 41, 45, 47, 83, 84, 85
4.3	1, 3, 5, 13, 17, 31, 33, 37, 61, 63, 81
4.5	1, 11, 15, 21, 25, 33, 35, 77
Other:	<a href="#">Sample Test 1</a>

<b>HOMEWORK 2 Exponential &amp; Logarithmic Functions</b>	
5.1	1, 5, 11, 27, 31, 33, 55, 57, 63, 71, 89, 91, 93, 99
5.2	1, 3, 5, 9, 25, 29, 33, 41, 45, 49, 57, 71
5.3	1, 3, 11, 15, 19, 31, 35, 45, 53, 65, 69, 71, 77, 79, 85, 89
5.4	1, 9, 15, 31, 33, 35, 37, 43, 51, 53, 57
5.5	1, 3, 7, 9, 15, 19, 21, 27, 33, 35, 39, 45, 69, 73, 79, 105
5.6	1, 3, 13, 19, 45
Other:	<a href="#">Functions and Inverses Worksheet</a> <a href="#">Compound Interest Worksheet</a> <a href="#">Drug Medication Worksheet</a> <a href="#">Sample Test 2</a>

<b>HOMEWORK 3 Systems of Equations and Matrices</b>	
6.1	7, 9, 11, 13, 15, 19, 29, 31, 35, 39, 67, 71, 87
6.3	7, 11, 15, 21, 25, 35, 37, 41
6.1-6.3	Review pgs 444-445 1 – 8 all
6.4	1, 3, 9, 11, 17, 21, 23, 27, 41, 43, 49, 57, 61, 75
6.5	1, 5, 7, 13, 17, 21, 29, 37, 57, 63, 65
6.8	1, 3, 7, 19 (find A, B, C, ...)
Other:	<a href="#">Partial Fraction Decomposition Worksheet</a> 12.1 Review: 7, 8, 11, 13, 15, 19, 21, 31, 35, 47 12.2 Review: 9, 11, 17, 19, 21, 23, 27, 33, 45 <a href="#">Sample Test 3</a>

<b>HOMEWORK 4 Analytic Geometry &amp; Conic Sections</b>	
7.1	1-8 all, 9, 11, 15, 21, 35, 45, 47, 51, 57, 61, 67, 75, 85, 93, 95, 101
7.2	1, 3, 5, 7, 11, 13, 17, 19, 23, 31, 35, 39, 41, 47, 51, 57, 63, 77
7.3	1, 3, 7, 9, 13, 17, 41, 45, 49, 53
7.4	1, 5, 11, 19, 21, 35, 45
Other:	<a href="#">Find an Equation of the Conic Sections Worksheet</a> <a href="#">Analyze the Following Conic Sections Worksheet</a> (3 pages), (counts as 2 assignments) <a href="#">Cheat-Sheet for Test</a> – do not turn in, use on Test 3 - (counts as 2 assignments) <a href="#">Sample Test 4</a>

<b>HOMEWORK 5 Sequences and Series</b>	
11.1	1, 3, 7, 21, 23, 29, 31, 35, 41, 59, 61, 65, 77
11.2	1, 7, 9, 13, 17, 33, 37, 41, 53, 55, 59, 65
11.3	1, 3, 5, 7, 21, 27, 29, 31, 47, 49
11.5	1, 5, 7, 9, 15, 23, 25, 29, 33, 39, 43
Other:	<a href="#">The Binomial Theorem Worksheet</a> 12.3 Review: 1, 3, 9, 11, 16, 19, 29, 35, 37, 47, 49 <a href="#">Sample Final Exam</a>

Note: Chapter 12 concepts (Limits) are included throughout the course.